



**CDC Public Health Grand Rounds Presents:**

**“Understanding the Causes of Major Birth Defects: Steps to Prevention”**

Tuesday, January 20, 2015

1:00 p.m.–2:00 p.m., EST

Global Communications Center (Building 19)

Auditorium A

Roybal Campus

Birth defects are serious conditions that involve changes to the structure of one or more parts of the body. While the causes of many birth defects are still unknown, their importance and the impact on peoples’ lives are quite clear. Birth defects are common, occurring in 1 of every 33 babies born every year in the United States. Depending on the severity of the defect, the expected lifespan of a person with a birth defect can be greatly reduced. In 2011, of the 24,000 infants that died in their first year of life, 4,800 succumbed due to a birth defect. Additionally, birth defects are a leading cause of pediatric hospitalizations and medical expenditures. It is estimated that 2.6 billion US dollars are spent annually in caring for infants, children, and adults living with a birth defect.

CDC and its partners are working together to identify both genetic and environmental risk factors that may contribute to the development of birth defects. Folic acid fortification has been a major success in the prevention of some types of birth defects and there is ongoing research on the impact of interventions that target obesity, smoking, and diabetes. We have made great advances, but there is still much that can be done to understand and prevent birth defects.

Please join us for this session of Grand Rounds as we discuss some of the research underway to identify the risk factors for birth defects, and develop the key intervention strategies that can be used to help ensure that every child is born in the best possible health.

**Presented by:**

**Marcia L. Feldkamp, PhD, PA**

*Associate Professor, Division of Medical Genetics  
Department of Pediatrics, University of Utah*

**“The Impact of Birth Defects and Current Understanding of their Causes”**

**Jennita Reefhuis, PhD**

*Epidemiology Team Lead, Birth Defects Branch  
Division of Birth Defects and Developmental Disabilities  
National Center on Birth Defects and Developmental Disabilities, CDC*

## **“Advancing Understanding of the Causes of Birth Defects”**

**Allen A. Mitchell, MD**

*Director, Slone Epidemiology Center and Professor of Epidemiology and Pediatrics,  
Boston University Schools of Public Health and Medicine*

## **“Birth Defects Research and Emergency Preparedness: The Vaccines and Medications in Pregnancy Surveillance System”**

**Suzanne Gilboa, PhD, MHS**

*Partnerships and Applied Epidemiology Team Lead, Birth Defects Branch  
Division of Birth Defects and Developmental Disabilities  
National Center on Birth Defects and Developmental Disabilities, CDC*

## **“Identifying What Else We Can Do To Prevent Birth Defects”**

### **Facilitated By:**

**John Iskander, MD, MPH**, *Scientific Director, Public Health Grand Rounds*

**Phoebe Thorpe, MD, MPH**, *Deputy Scientific Director, Public Health Grand Rounds*

**Susan Laird, MSN, RN**, *Communications Director, Public Health Grand Rounds*

### **Continuing Education for Grand Rounds**

ALL Continuing Education hours for Public Health Grand Rounds (PHGR) are issued online through the [CDC/ATSDR Training and Continuing Education Online system](#). If you have questions, [e-mail](#) or call Learner Support at 1-800-418-7246 (1-800-41TRAIN).

Those who attend PHGR either in person, Envision, IPTV, or “web on demand” and who wish to receive continuing education must complete the online seminar evaluation. Thirty days from the initial seminar the course number will change to WD2346 and will be available for continuing education until February 18, 2016. The course code for PHGR is **PHGR10**.

Target Audience: Physicians, nurses, epidemiologists, pharmacists, veterinarians, certified health education specialists, laboratorians, others

### **Objectives:**

1. List key measures of burden of disease involving morbidity, mortality, and/or cost.
2. Describe evidence-based preventive interventions and the status of their implementations.
3. Identify one key prevention science research gap.
4. Name one key indicator by which progress and meeting prevention goals is measured.

CE certificates can be printed from your computer immediately upon completion of your online evaluation. A cumulative transcript of all CDC/ATSDR CE’s obtained through the TCE Online System will be maintained for each user. We hope that this will assist CDC staff and other public health professionals to fulfill the requirements for their professional licenses and certificates.

### **For Continuing Medical Education for Physicians (CME):**

The Centers for Disease Control and Prevention is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

The Centers for Disease Control and Prevention designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**For Continuing Nursing Education for Nurses (CNE):**

The Centers for Disease Control and Prevention is accredited as a provider of Continuing Nursing Education by the American Nurses Credentialing Center's Commission on Accreditation.

This activity provides 1.0 contact hours.

**For Continuing Education Contact Hours in Health Education (CECH):**

Sponsored by the *Centers for Disease Control and Prevention*, a designated provider of continuing education contact hours (CECH) in health education by the National Commission for Health Education Credentialing, Inc. This program is designated for Certified Health Education Specialists (CHES) to receive up to **1.0** Category I CECH in health education. CDC provider number **GA0082**.

**IACET Continuing Education Units (CEU):**

The CDC has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102. The CDC is authorized by IACET to offer **0.1** ANSI/IACET CEU's for this program.

**For Continuing Pharmacy Education (CPE):**



(For EV2346 (SC) - live course)

The Centers for Disease Control and Prevention is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This program is a designated event for pharmacists to receive 1.0 Contact Hours in pharmacy education. The Universal Activity Number is 0387-0000-15-074-L04-P.

(For WD2346 -Web on demand)

The Centers for Disease Control and Prevention is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This program is a designated event for pharmacists to receive 1.0 Contact Hours in pharmacy education. The Universal Activity Number is 0387-0000-15-074-H04-P.

Course Category: This activity has been designated as knowledge-based.

There is no cost for this program.

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